

**Title of your project, write in sentence case,
centre alignment, AVOID ALL CAPS**

Presented by-

Name:

Student ID:

Program:

Session:

Supervisor-

Name:

Designation:

Department of Chemistry,

BUET

Outline

- **Background**
- **Objectives**
- **Methodology**
- **Results and Discussion**
- **Conclusions**

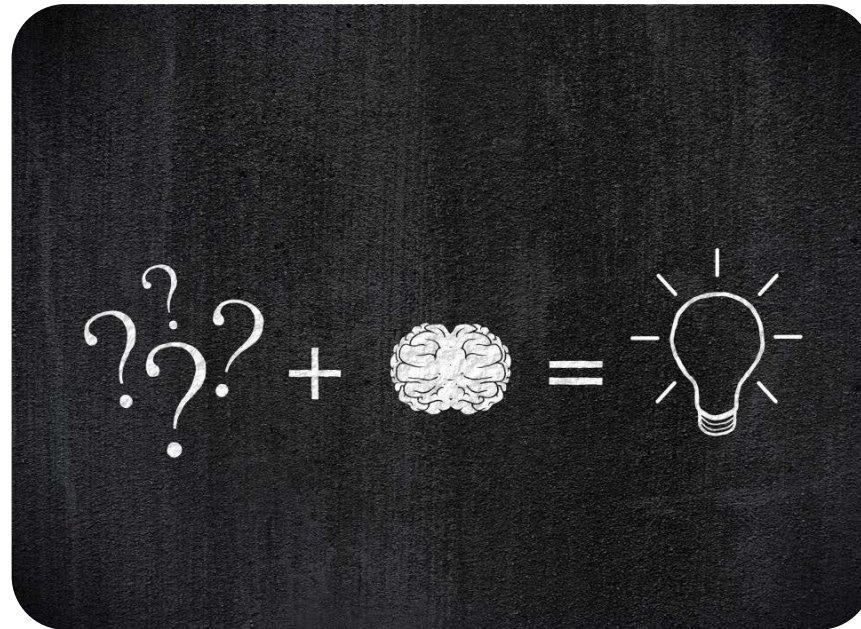
Background

- **May contain ~5-10 slides**
- **Introduce the issue/problem you are planning to address**
- **Highlight any relevant trends or challenges**
- **Provide some existing solutions**



Background

- **Specific problem or research gap of your project**
- **Why is it significant and worth investigating?!**



Do's and Don'ts – *Spelling & Grammar*

- **Be very careful to avoid any spelling and grammatical mistakes**
- **Check repeatedly, seek your friends help for proof reading**

Do's and Don'ts - *Font*

- **Choose simple and large fonts**
- **Examples – Times new romans, Calibri, Arial**
- **Easy to read**

Do's and Don'ts - *Font*

- Avoid using decorative fonts – hard to read

Decorative and fancy fonts are often annoying for the audience

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audience

Do's and Don'ts – *Font size*

- **Avoid using too small fonts – hard to read**

Hydrogels are hydrophilic soft and smart polymeric materials with-

- ✓ High swelling capacity
- ✓ Excellent biocompatibility
- ✓ Similarities to soft natural tissues

*This is too small, barely readable, not
ideal for your audience*

Do's and Don'ts – *Font Colour*

- **Don't force the audience to try hard to read**

Can you comfortably read this sentence?

Can you comfortably read this sentence?

Do's and Don'ts – *Page number*

- Remember to add page numbers in the slides

Do's and Don'ts – *Underline*

- Don't unnecessarily underline your texts

Hydrogels are hydrophilic soft and smart polymeric materials with-

- ✓ High swelling capacity
- ✓ Excellent biocompatibility
- ✓ Similarities to soft natural tissues

Underline only to highlight something

Do's and Don'ts – *All Caps*

- Don't use all caps

**HYDROGELS ARE HYDROPHILIC SOFT AND SMART
POLYMERIC MATERIALS WITH-**

- ✓ **HIGH SWELLING CAPACITY**
- ✓ **EXCELLENT BIOCOMPATIBILITY**
- ✓ **SIMILARITIES TO SOFT NATURAL TISSUES**

Annoying for the audience

Do's and Don'ts – *Bullet Points*

Be steady with the alignment of the bullet points-

- **Choose simple and large fonts**
 - **Examples – Times new romans, Calibri, Arial**
- **Should be uniform in size**

Difficult to follow

Do's and Don'ts – *Bullet Points*

Be steady with the alignment of the bullet points-

- **Generally, left justify bullets**
- **This keeps things tidy**
- **Uniform spacing between bullet points**

Easy to follow

Do's and Don'ts – *Bullet Points*

Avoid using too many bullet points in a single slide -

- **Too many bullet points looks messy**
- **Plenty of information bores the audience**
- **The audience focus more on the text than the speaker**
- **The bullet points should be a statement, not a sentence**
- **The speaker will explain the statement to the audience**
- **The main purpose of the presentation doesn't get served**

Do's and Don'ts – *Bullet Points*

Use 3-5 bullet points in a single slide -

- **Looks tidy**
- **Easy to follow, not boring**
- **The message is clearly conveyed**
- **The purpose of the presentation gets served**

Do's and Don'ts – *Animations and Effects*

- **Don't go crazy with animations and effects**

Hydrogels are hydrophilic soft and smart polymeric materials with -

- ✓ **High swelling capacity**
- ✓ **Excellent biocompatibility**
- ✓ **Similarities to soft natural tissues**

Do's and Don'ts – Minimum texts

Too many texts - difficult to follow



Sometimes, less is more.

~ William Shakespeare

Do's and Don'ts – Minimum texts

Use statements rather than a sentence -

Too many texts - difficult to follow

**If you use too many texts, it will be difficult
for the audience to follow**

Do's and Don'ts

Background slides are the most important part of your talk (except AGU) - they motivate your research and place it in context. I typically spend ~80% of talk preparation on background slides.

- Background slides must be tailor-made for your audience– I almost never use the same background slides even when giving the same research talk**
- Much of the audience is there primarily because they want to be educated in your field and get the thrill of research – background material should be pedagogical but research-oriented - expose the major gaps that motivate your research**
- Slides should be attractive and informative – a fraction of the audience will be lost after your background, but you want them to have learned something**
- It's generally not a good idea to go over someone else's paper as background material. Your audience is expecting you to set the stage in your own words and if possible with your own material**
- Previous talks from the group, Google Images are a good source of material for your background slides.**

Too many texts!

Do's and Don'ts

Background slides are the most important part of your talk (except AGU) - they motivate your research and place it in context. I typically spend ~80% of talk preparation on background slides.

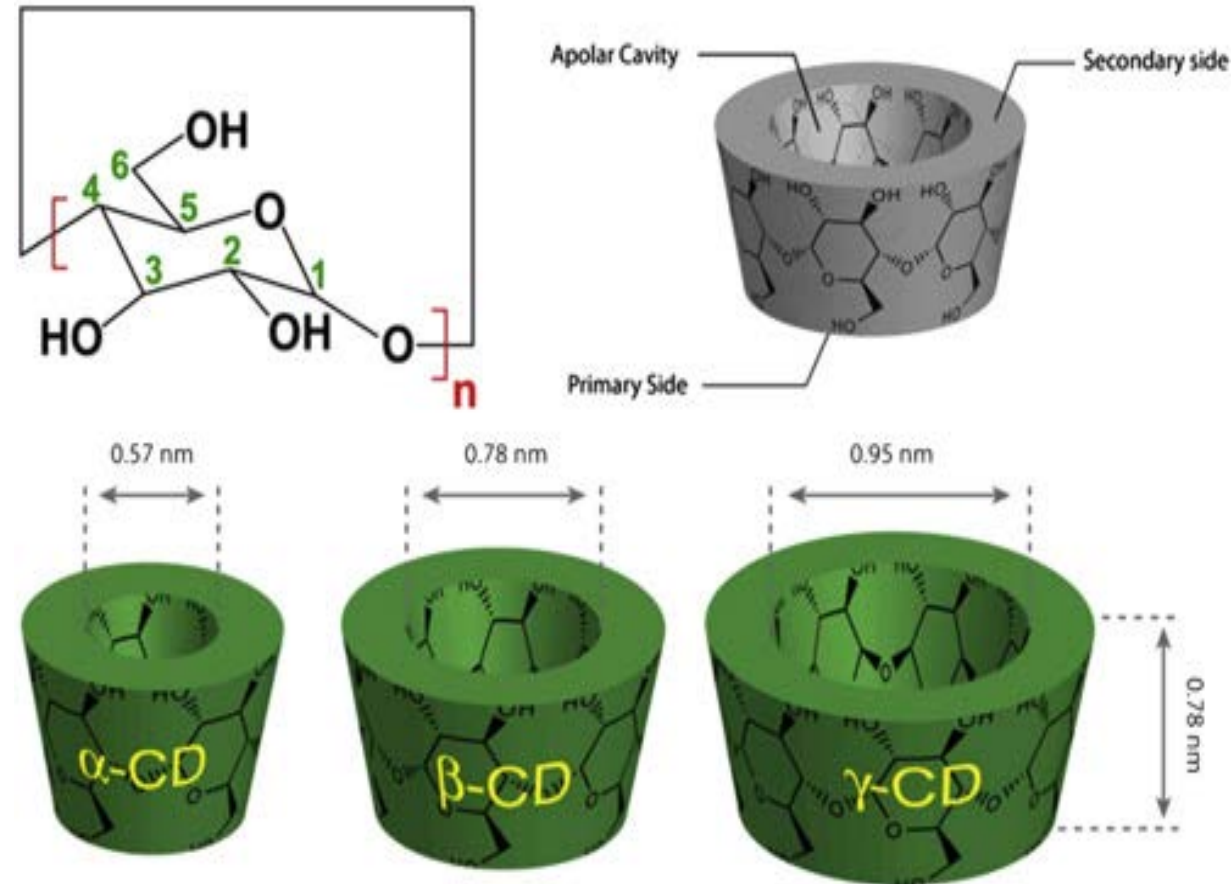
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Too many texts!

Do's and Don'ts

What is Cyclodextrin?

- It is a cyclic oligosaccharide composed of seven glucose units linked together.
- It's known for its ability to form inclusion complexes with various molecules, particularly those that are poorly water-soluble, by encapsulating them within its hydrophobic cavity.
- This property makes it valuable in a variety of applications, including drug delivery, food technology, and cosmetics.



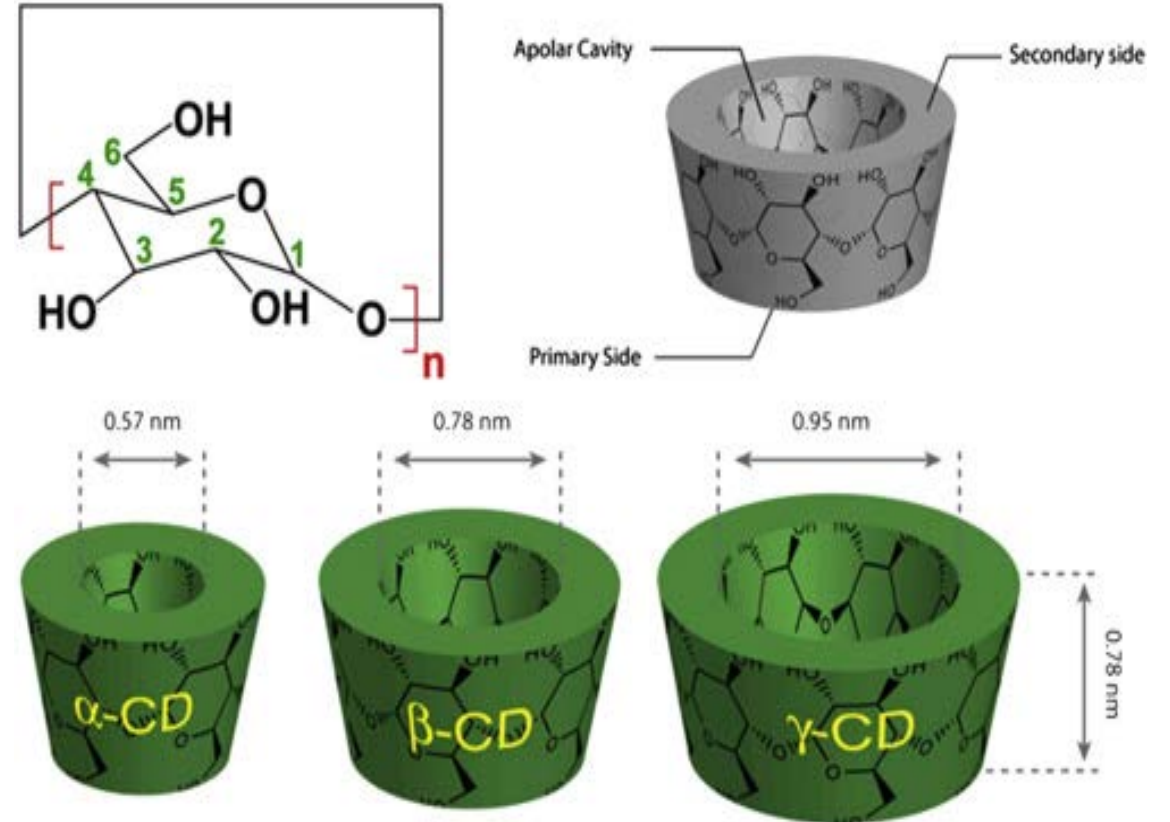
Too many texts!

Do's and Don'ts

What is Cyclodextrin?

- A cyclic oligosaccharide
- Capable to form inclusion complexes
- Valuable in drug delivery, food technology and cosmetics

Looks neat!



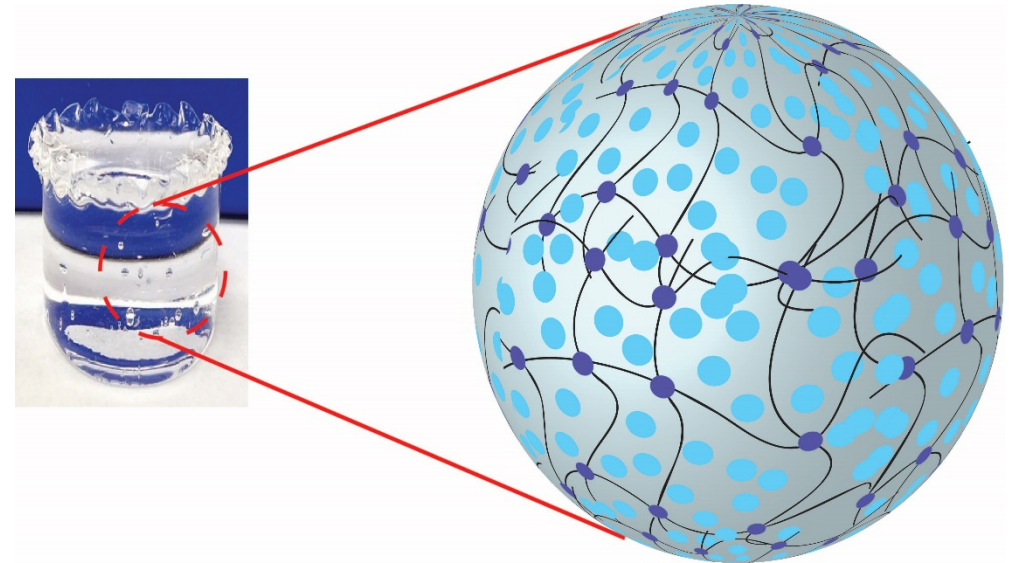
Do's and Don'ts – References

- Use references to mention a literature finding/data
- At the bottom of the corresponding slides
- Probable format: *Journal name*, volume, year, page number
- Keep the format of the references uniform

Do's and Don'ts – Use references

Hydrogels are hydrophilic soft and smart polymeric materials with-

- ✓ High swelling capacity
- ✓ Excellent biocompatibility
- ✓ Similarities to soft natural tissues



● = Water
● = Crosslinking point
~ = Polymer chain



Do's and Don'ts – Use references

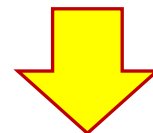
Applications of Hydrogel

- Bio sensor
- Tissue engineering
- Artificial organ
- Drug delivery system

Not Good!

Reference format not uniform-

- DOI added
- Right aligned
- Author's name added



Emilli C. G. Frachini et al, *J. Braz. Chem. Soc.*, Vol. 00, No. 00, 1-19, 2019, doi: 10.21577/0103-5053.20190074

Do's and Don'ts – Use references

Applications of Hydrogel

- Bio sensor
- Tissue engineering
- Artificial organ
- Drug delivery system

Good!



Do's and Don'ts – Slide Design

Be consistent with your slide design

Do's and Don'ts – Slide Design

NOT GOOD!

Do's and Don'ts – Slide Design

Should not have backgrounds that:

- Are too busy.
- Change each slide.
- Distract from your message.

Not Good!

Do's and Don'ts – Slide Design

Should not have poor perceptual differences:

- ▶ Where the background distracts from the message.
- ▶ Where the colors distract from the message.
- ▶ Where the *font* effects affect the way the message is interpreted.

Not Good!

Objectives

- **Objectives from the proposal approved by CASR**



Methodology

- **~3-6 slides**
- **Illustrate the synthetic method/working procedure**
- **Use appropriate flowcharts or diagrams**
- **Use animations to demonstrate the process step by step**

Results and Discussion

- Include your data/findings/results in this section
- Use tables, graphs, bar charts, pie charts etc.



Do's and Don'ts

Do not put too many data in a single slide

You don't have to show all your data

- **Don't put too many data in a single slide**

Vidutinis mėnesinis darbo užmokestis Lietuvoje
1991-1992 rubliai ir toliau konvertuoti į litus

Y-axis: D.U. lygis (0 to 4000)

X-axis: Metai (1991 to 2020)

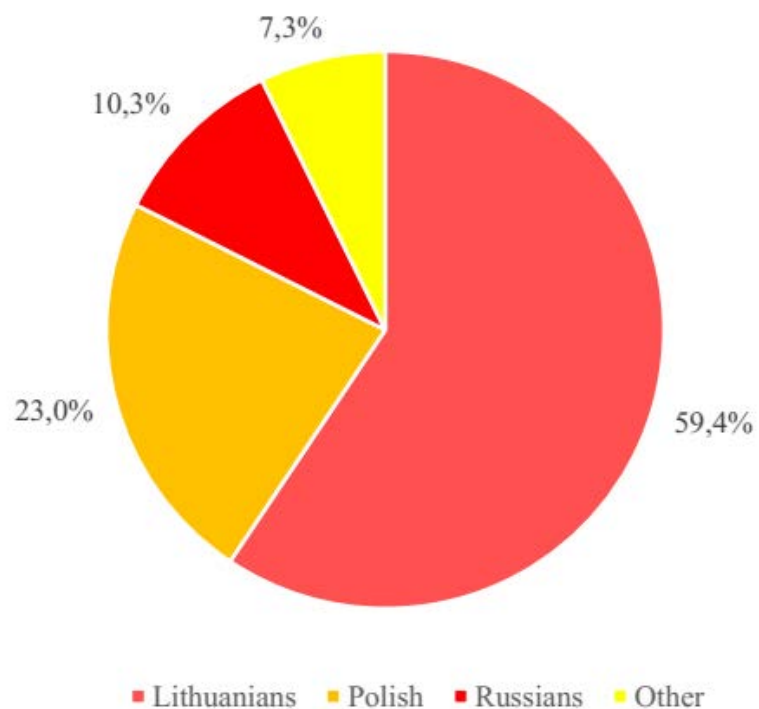
Legend:

- Irykliai
- BVPx
- Linear (BVPx)
- Koreguotas BVP gyventojui
- Linear (Koreguotas BVP gyventojui)
- Vidutinis bruto
- Linear (Vidutinis bruto)
- Infliacija
- Koreguotas bruto
- Nekoreguoto bruto kitimas
- Koreguoto bruto kitimas
- Koreguotas neto
- BVP gyventojui pokytis

36

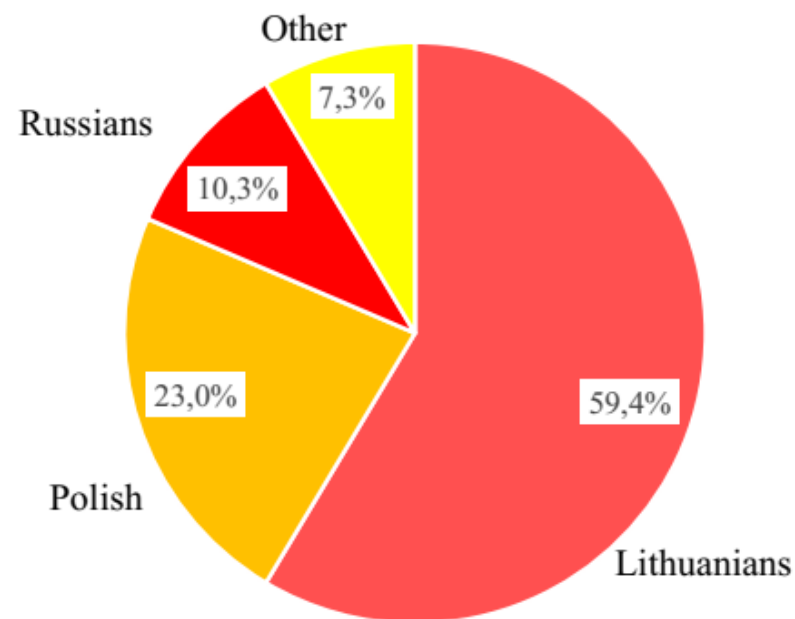
Do's and Don'ts

Vilnius county ethnic consist
2011



NOT GOOD

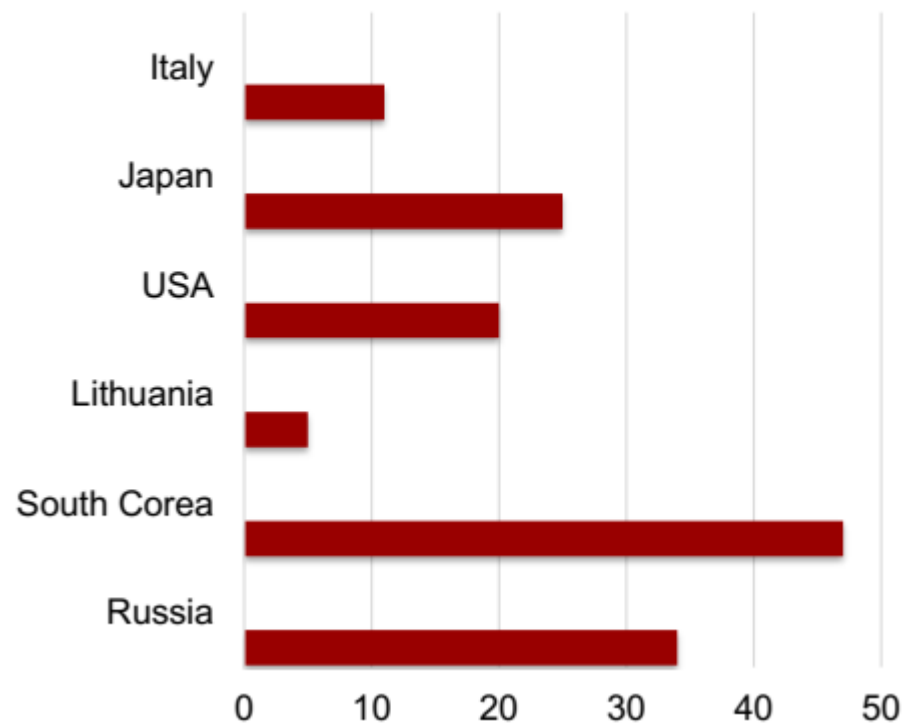
Vilnius county ethnic consist
2011



GOOD

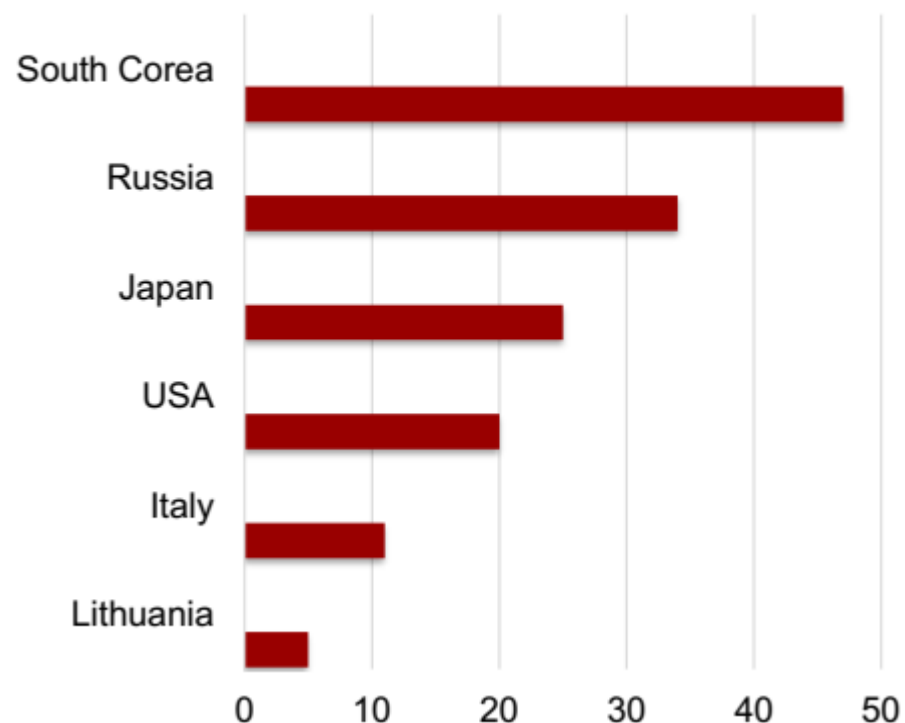
Do's and Don'ts

**Gold medals
(London Olympic games)**



NOT GOOD

**Gold medals
(London Olympic games)**



GOOD

Do's and Don'ts

- Do not add too many rows and columns in table

	Properties							
% of Crosslinker	Tensile strength (kPa)		Elongation at break (%)		Mechanical Toughness (kJmole ⁻¹)		Young's modulus (kPa)	
	PAA-Ni (6M)	PAA-Ni-CE (6M)	PAA-Ni (6M)	PAA-Ni-CE (6M)	PAA-Ni (6M)	PAA-Ni-CE (6M)	PAA-Ni (6M)	PAA-Ni-CE (6M)
0.20%	102	165	1488	1745	833	1780	37	42
0.30%	130	175	1250	1496	854	1960	47	68
0.35%	150	315	1215	1291	1104	2297	61	107
0.40%	169	350	1017	664	973	1680	89	155
0.50%	180	425	954	492	971	1666	108	194

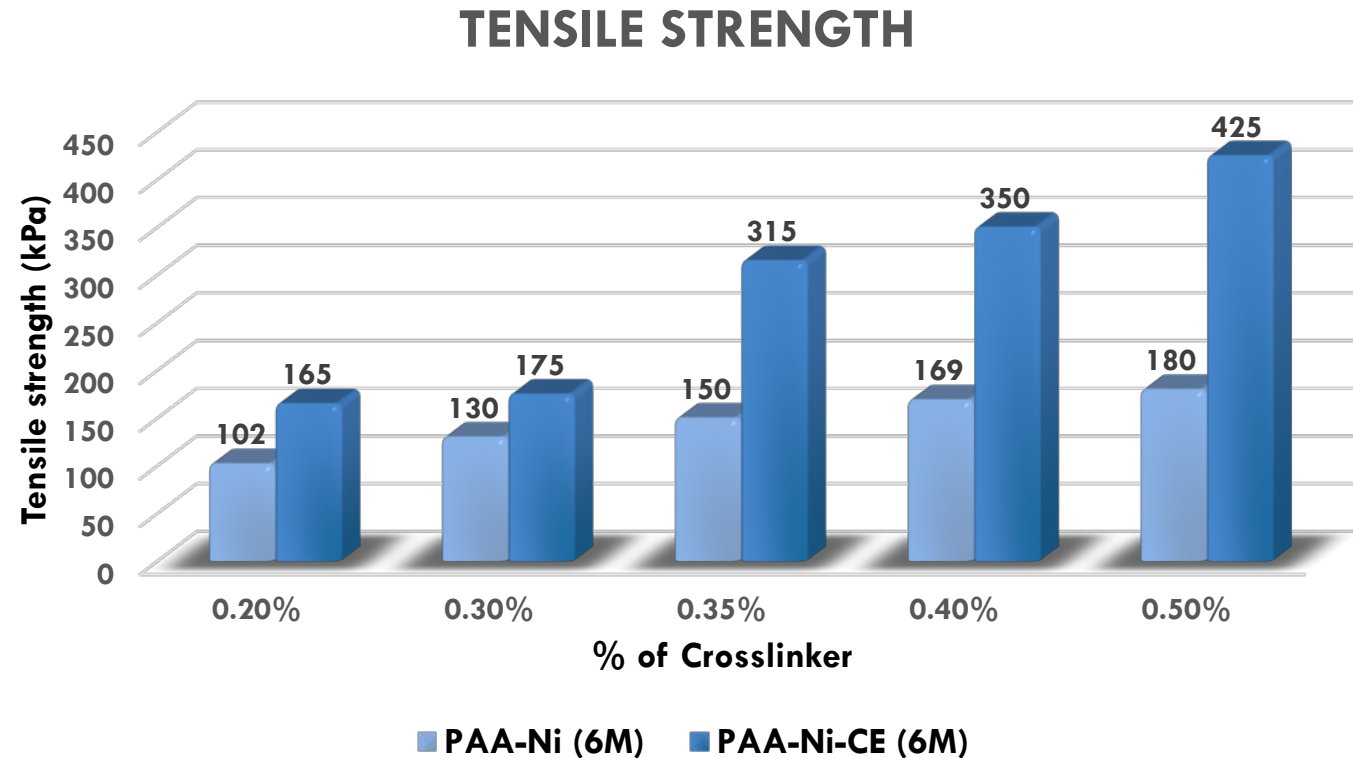
Do's and Don'ts

- Do not add too many rows and columns in table

% of Crosslinker	Tensile strength (kPa)	
	PAA-Ni (6M)	PAA-Ni-CE (6M)
0.20%	102	165
0.30%	130	175
0.35%	150	315
0.40%	169	350
0.50%	180	425

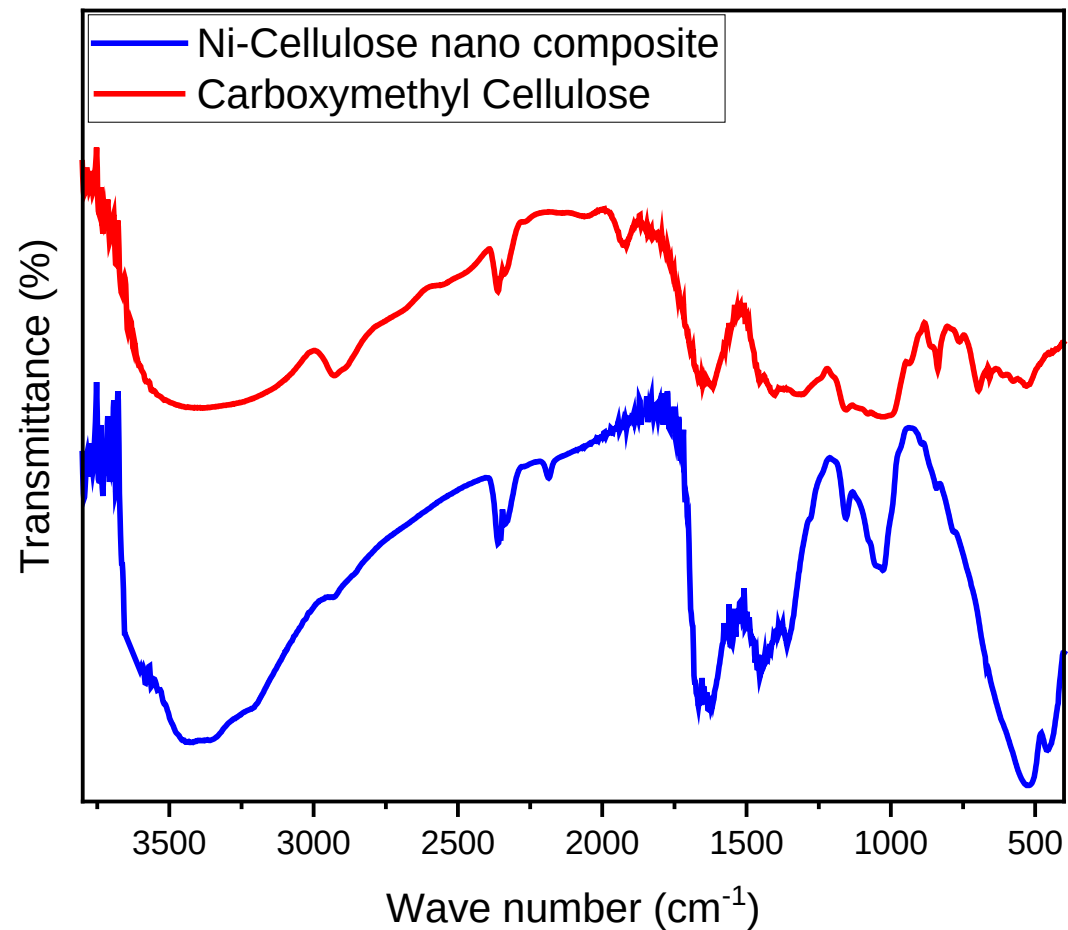
Do's and Don'ts

- A bar chart looks better than a table!



Do's and Don'ts

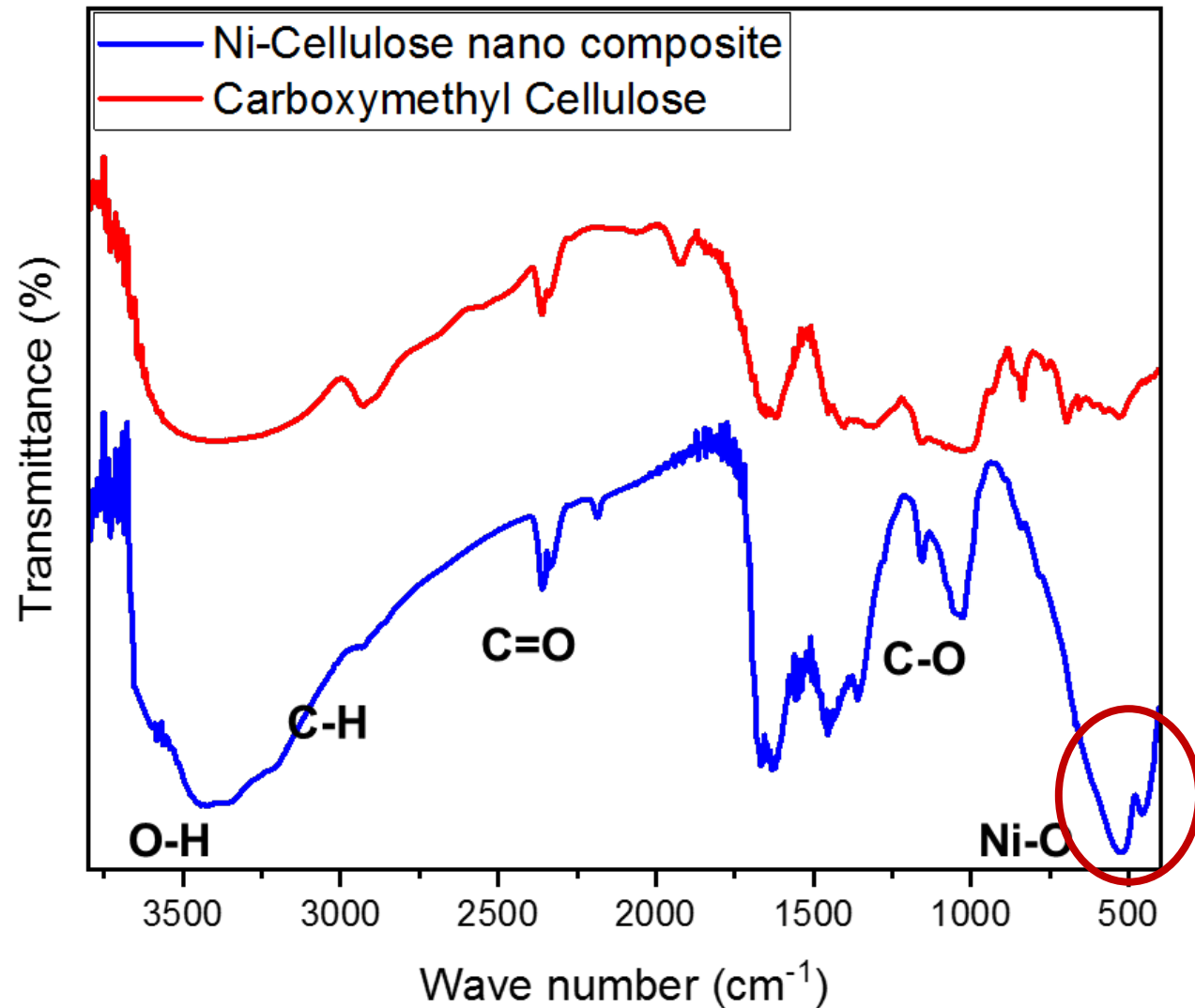
- Use proper labelling



Bond	Wave Number (cm ⁻¹)
O-H Stretching	3370
C-H Stretching	2900
COO ⁻ Asymmetric	1650
C-O symmetric	1050
Ni-O	520

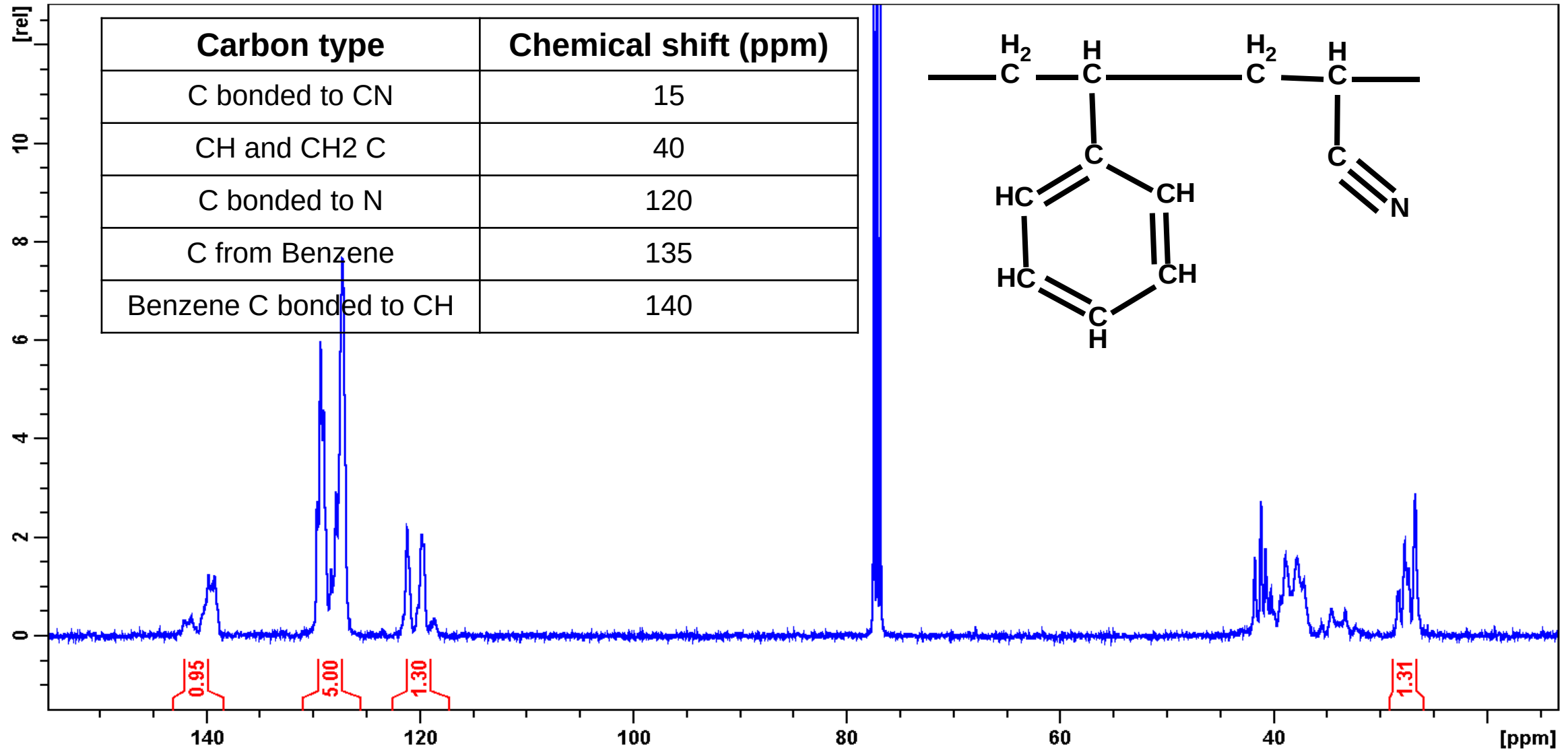
Do's and Don'ts

- Use proper labelling



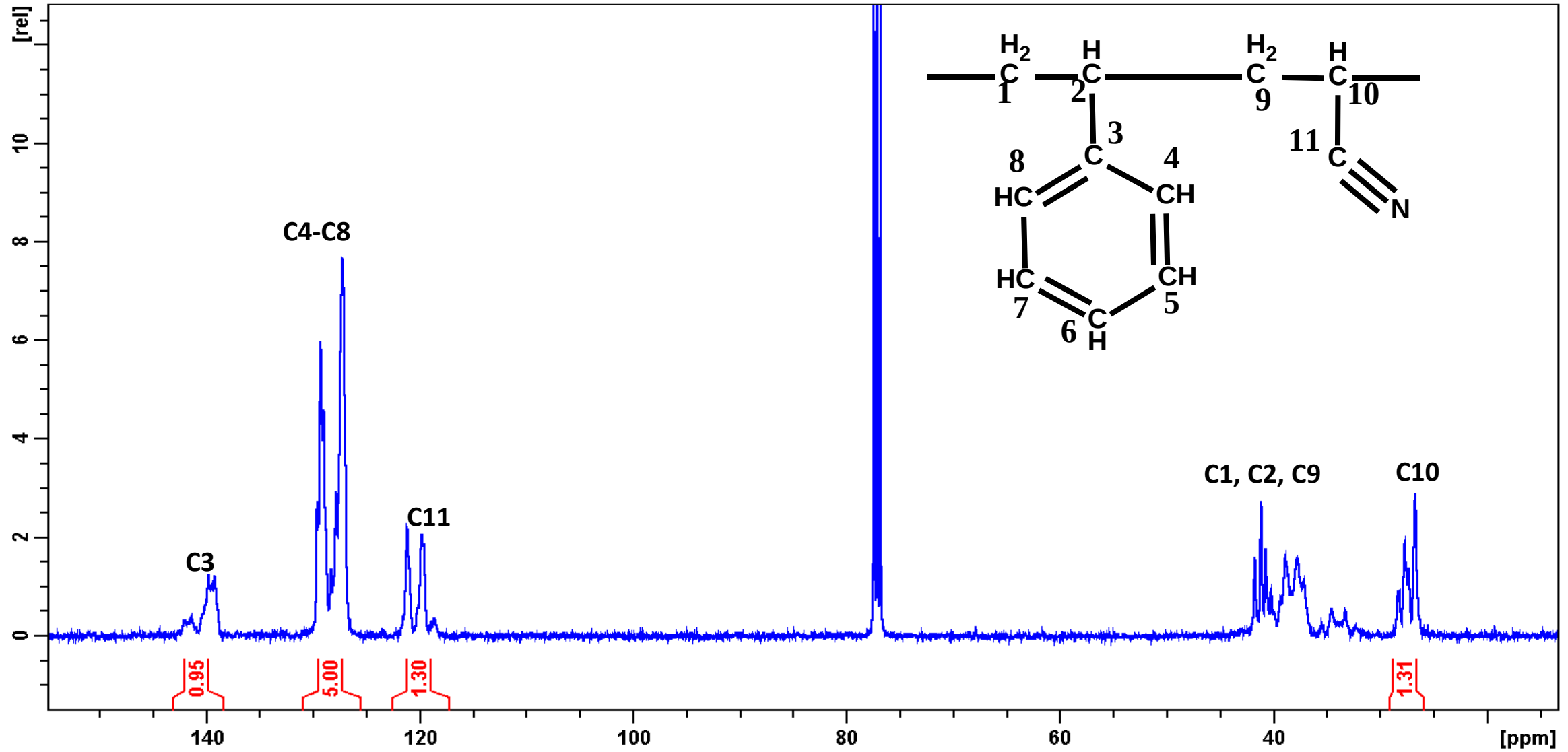
Do's and Don'ts

- Use proper labelling



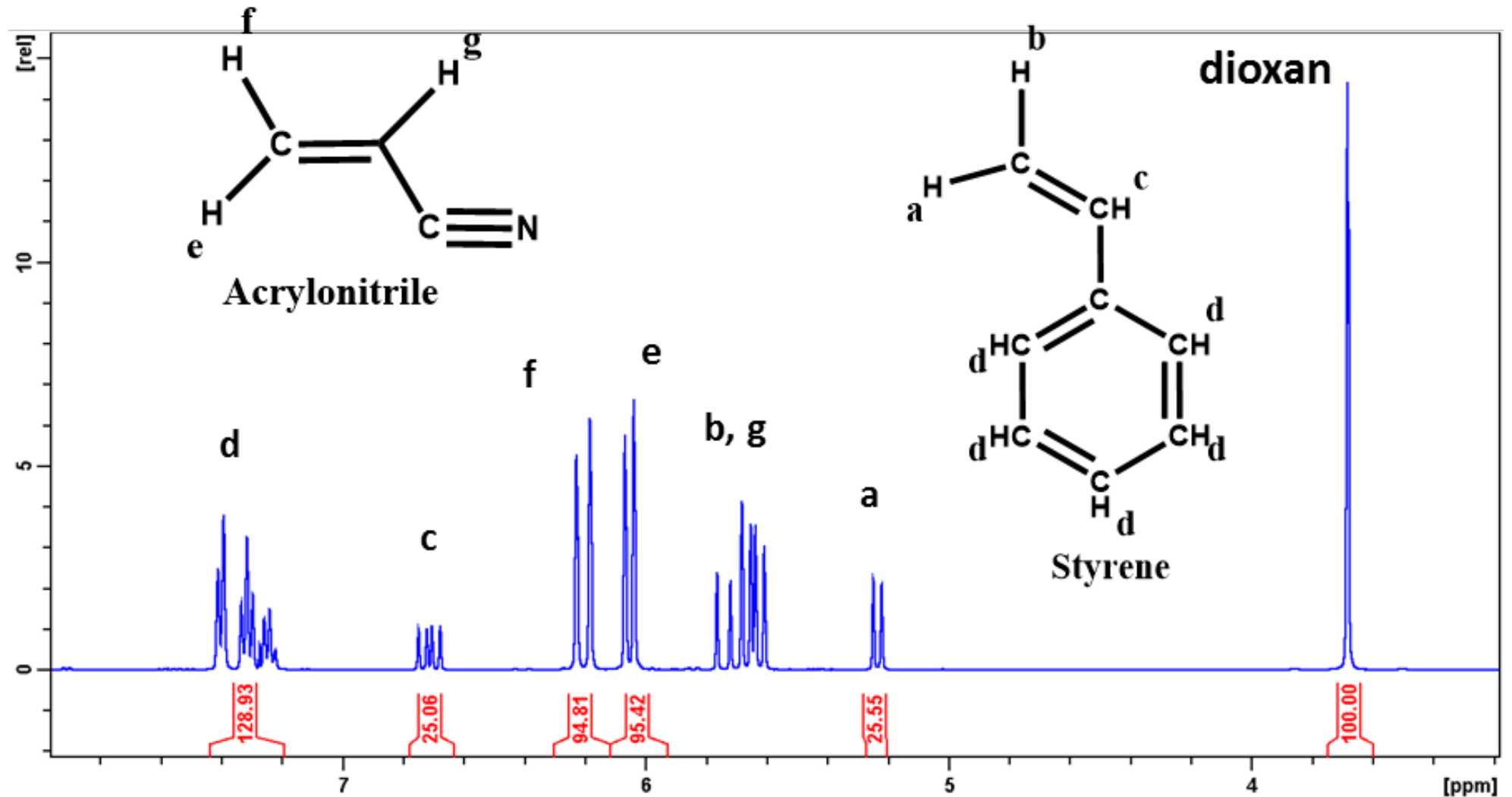
Do's and Don'ts

- Use proper labelling



Do's and Don'ts

- Use proper labelling



Conclusions

- **Summarize your key findings in this section**
- **Conclude in a single slide**
- **3-5 bullet points**
- **Don't use extensively long sentences**

Acknowledgement

- **Acknowledge the contributions**
- **Acknowledge the funding/financial support**

Thank You

Supporting data

- **Add your additional data in this section**
- **Helpful to answer the questions from your examiners**